

Safety Interlocks Group Goals for FY04

Focus for FY04

Continue to streamline day-to-day operations support and to increase customer satisfaction. Monitor and analyze beamline downtime events. Complete development of PSS Generation 3.

Implement and support interlock systems with high customer satisfaction

- Continue to promote effective communications and collaborations with our customers (MCR, floor operations, and beamline staff), and with other technical groups.
- Implement interlocks for new beamlines in a timely and effective manner.
- Finish the development of PSS Generation-3. Obtain formal approval and implement a prototype system at 30-ID.
- Compile a standard engineering package for new beamline builds to streamline the PSS/FEEPS design and implementation process.

Maintain high availability and operational transparency of installed systems

- No more than 9 storage ring faults and no more than 10 hours storage ring downtime attributed to the group. [Note this includes 4 FEEPS trips at 9-ID in October '03]
- Maintain reliability statistics on PSS and FEEPS for the APS beamlines, with a view to establishing measurable goals in FY05.
- Implement in EPICS comprehensive & useable status and trip information.
- Develop and maintain a prioritized list of preventative maintenance and upgrade items.
- Implement effective inventory control for essential components and equipment.
- Hold regular cross-training sessions for group members and operations personnel.
- Increase breadth of engineering coverage on ACIS and FEEPS.
- Continue to develop accurate and meaningful engineering documentation and procedures.
- Promote "Practical QA" initiatives within the group.

Act as a resource for the APS facility and the community at large, primarily in the area of plc-based interlock systems

- Develop an appropriate approach to supporting beamline EPS systems.
- Foster collaborations with peer groups at other facilities.

Stay proactive in the APS and ASD safety culture

- Proactively support the role of the Critical Component System Manager.
- Make Integrated Safety Management part of all work.
- Recognize and reward safe work practices.

Invest in the future

- Seek opportunities for professional growth for all group members.
- Maintain currency with available plc technology and safety systems practices.

Note: the major headings describe the primary goals for the group. Bulleted items under each heading describe specific goals, but should not be considered an all-inclusive list.